

## Explanation of Spreadsheet Data

### Explanation of Spreadsheet and Data

This spreadsheet provides field and fish data collected during electrofishing surveys conducted during the month of March 2019 for the Stanislaus River Native Fish Plan. Background information, key correspondence, and the technical study plan can be found at: 'link'  
For questions or more information, contact: info@fishbio.com

Spreadsheet	Definition	Column Heading Definitions
Target Species Summary	Provides summary counts of captured target species by site (or rkm), by date, and species. See study plan for distinction between target and non-target species.	RKM = River kilometer position as measured from the confluence of the Stanislaus River and San Joaquin River
Target Species Summary	Provides summary counts of captured target species by site (or rkm), by date, and species. See study plan for distinction between target and non-target species.	Date = Date of survey
Target Species Summary	Provides summary counts of captured target species by site (or rkm), by date, and species. See study plan for distinction between target and non-target species.	BAS = Unidentified black bass, BGS = Bluegill, etc. = species codes (See 'Species Code' tab for all species)
Target Species Catch	Provides individual level fish data for all target species captured during electrofishing surveys	SampleDate = Date of Survey
Target Species Catch	Provides individual level fish data for all target species captured during electrofishing surveys	StartTime = Time when electrofishing survey was begun at each unit
Target Species Catch	Provides individual level fish data for all target species captured during electrofishing surveys	EndTime = Time when electrofishing survey was ended at each unit
Target Species Catch	Provides individual level fish data for all target species captured during electrofishing surveys	SamplingUnitNo = unit number (ordered from #1 near Oakdale to #227 at confluence). Each unit was 300 meters long.
Target Species Catch	Provides individual level fish data for all target species captured during electrofishing surveys	RKM = River kilometer position as measured from the confluence of the Stanislaus River and San Joaquin River
Target Species Catch	Provides individual level fish data for all target species captured during electrofishing surveys	Bank = 'river right' or 'river left' as you are facing downstream
Target Species Catch	Provides individual level fish data for all target species captured during electrofishing surveys	Event = The primary sampling occasion for each year. See study plan for more details
Target Species Catch	Provides individual level fish data for all target species captured during electrofishing surveys	Pass = The secondary sampling occasion for each primary occasion. See study plan for more details
Target Species Catch	Provides individual level fish data for all target species captured during electrofishing surveys	Species = Species identification; see 'Species Code' tab for species abbreviations
Target Species Catch	Provides individual level fish data for all target species captured during electrofishing surveys	ForkLength = Fork length measurement in millimeters (mm)
Target Species Catch	Provides individual level fish data for all target species captured during electrofishing surveys	TotalLength = Total length measurement in millimeters (mm)
Target Species Catch	Provides individual level fish data for all target species captured during electrofishing surveys	Condition = General condition of fish
Target Species Catch	Provides individual level fish data for all target species captured during electrofishing surveys	DietCollected = Indicates whether diet was collected (Yes = 'Yes diet collected and stomach contents present'; Empty = 'Diet attempted to be collected, but no stomach contents present'; No = 'No diet collected')
Target Species Catch	Provides individual level fish data for all target species captured during electrofishing surveys	ScalesCollected = Indicates whether scales were collected or not
Target Species Catch	Provides individual level fish data for all target species captured during electrofishing surveys	Recapture = Indicates whether fish has previously been captured and PIT tagged
Target Species Catch	Provides individual level fish data for all target species captured during electrofishing surveys	PITTagNo = unique identification number of passive integrated transponder (PIT) implanted into each fish
Target Species Catch	Provides individual level fish data for all target species captured during electrofishing surveys	Notes = general notes about fish condition, diet collected, etc.
Non-Target Catch	Provides individual and batch level data for all non-target species captured during electrofishing surveys	All column headings the same as 'Target Species Catch' except for 'Count'. Count = the number of fish either measured or not measured for non-target species.
Species Code	Provides species abbreviations and species names for typically captured fish in San Joaquin River basin	N/A

## Target Species Summary Preliminary Data

RKM	Date	BGS	BKS	HH	LMB	RES	SMB	SPB	STB	WHC	Grand Total
<b>3.3</b>	<b>Total</b>						<b>1</b>	<b>1</b>	<b>6</b>		<b>8</b>
3.3	3/11/19								3		3
3.3	3/12/19						1	1	3		5
<b>4.8</b>	<b>Total</b>		<b>1</b>		<b>1</b>		<b>2</b>	<b>2</b>	<b>2</b>	<b>1</b>	<b>9</b>
4.8	3/11/19		1				1	1	1	1	5
4.8	3/12/19				1		1	1	1		4
<b>6.3</b>	<b>Total</b>										<b>0</b>
6.3	3/11/19										0
6.3	3/12/19										0
<b>7.8</b>	<b>Total</b>						<b>4</b>	<b>11</b>			<b>15</b>
7.8	3/11/19						3	5			8
7.8	3/12/19						1	6			7
<b>9.3</b>	<b>Total</b>										<b>0</b>
9.3	3/11/19										0
9.3	3/12/19										0
<b>10.8</b>	<b>Total</b>					<b>1</b>			<b>1</b>	<b>1</b>	<b>3</b>
10.8	3/11/19										0
10.8	3/12/19					1			1	1	3
<b>12.3</b>	<b>Total</b>							<b>2</b>			<b>2</b>
12.3	3/11/19										0
12.3	3/12/19							2			2
<b>15.9</b>	<b>Total</b>							<b>1</b>			<b>1</b>
15.9	3/11/19							1			0
15.9	3/12/19										0
<b>17.4</b>	<b>Total</b>										<b>0</b>
17.4	3/11/19										0
17.4	3/12/19										0
<b>18.9</b>	<b>Total</b>										<b>0</b>
18.9	3/11/19										0
18.9	3/12/19										0
<b>20.4</b>	<b>Total</b>										<b>0</b>
20.4	3/11/19										0
20.4	3/12/19										0
<b>21.9</b>	<b>Total</b>							<b>2</b>	<b>1</b>		<b>3</b>
21.9	3/11/19										0
21.9	3/12/19							2	1		3
<b>23.4</b>	<b>Total</b>										<b>0</b>
23.4	3/11/19										0
23.4	3/12/19										0
<b>24.9</b>	<b>Total</b>						<b>2</b>				<b>2</b>
24.9	3/11/19						2				2
24.9	3/12/19										0
<b>26.4</b>	<b>Total</b>			<b>2</b>				<b>2</b>			<b>4</b>

## Target Species Summary Preliminary Data

RKM	Date	BGS	BKS	HH	LMB	RES	SMB	SPB	STB	WHC	Grand Total
26.4	3/11/19							1			1
26.4	3/12/19			2				1			3
<b>29.4</b>	<b>Total</b>										<b>0</b>
29.4	3/7/19										0
29.4	3/8/19										0
<b>30.9</b>	<b>Total</b>	<b>1</b>					<b>1</b>				<b>2</b>
30.9	3/7/19	1									1
30.9	3/8/19						1				1
<b>32.4</b>	<b>Total</b>										<b>0</b>
32.4	3/7/19										0
32.4	3/8/19										0
<b>33.9</b>	<b>Total</b>			<b>2</b>	<b>1</b>	<b>1</b>					<b>4</b>
33.9	3/7/19				1	1					2
33.9	3/8/19			2							2
<b>35.4</b>	<b>Total</b>			<b>1</b>							<b>1</b>
35.4	3/7/19										0
35.4	3/8/19			1							1
<b>36.9</b>	<b>Total</b>										<b>0</b>
36.9	3/7/19										0
36.9	3/8/19										0
<b>38.4</b>	<b>Total</b>										<b>0</b>
38.4	3/4/19										0
<b>39.9</b>	<b>Total</b>						<b>1</b>	<b>1</b>			<b>2</b>
39.9	3/4/19						1	1			2
<b>41.4</b>	<b>Total</b>										<b>0</b>
41.4	3/4/19										0
41.4	3/5/19										0
<b>42.9</b>	<b>Total</b>						<b>1</b>				<b>1</b>
42.9	3/4/19										0
42.9	3/5/19						1				1
<b>44.4</b>	<b>Total</b>										<b>0</b>
44.4	3/4/19										0
44.4	3/5/19										0
<b>48</b>	<b>Total</b>										<b>0</b>
48	3/4/19										0
48	3/5/19										0
<b>49.8</b>	<b>Total</b>										<b>0</b>
49.8	3/4/19										0
<b>51.3</b>	<b>Total</b>										<b>0</b>
51.3	3/4/19										0
<b>53.1</b>	<b>Total</b>										<b>0</b>
53.1	3/6/19										0
<b>54.6</b>	<b>Total</b>										<b>0</b>

## Target Species Summary Preliminary Data

RKM	Date	BGS	BKS	HH	LMB	RES	SMB	SPB	STB	WHC	Grand Total
54.6	3/4/19										0
<b>56.7</b>	<b>Total</b>										<b>0</b>
56.7	3/4/19										0
<b>58.2</b>	<b>Total</b>	<b>1</b>				<b>1</b>					<b>2</b>
58.2	3/4/19					1					1
58.2	3/5/19	1									1
<b>59.7</b>	<b>Total</b>										<b>0</b>
59.7	3/4/19										0
59.7	3/5/19										0
<b>61.2</b>	<b>Total</b>										<b>0</b>
61.2	3/4/19										0
61.2	3/5/19										0
<b>62.7</b>	<b>Total</b>			<b>2</b>	<b>1</b>						<b>3</b>
62.7	3/4/19			2	1						3
62.7	3/5/19										0
<b>64.2</b>	<b>Total</b>			<b>1</b>							<b>1</b>
64.2	3/4/19										0
64.2	3/5/19			1							1
<b>Grand</b>	<b>Total</b>	<b>2</b>	<b>1</b>	<b>8</b>	<b>3</b>	<b>3</b>	<b>12</b>	<b>22</b>	<b>10</b>	<b>2</b>	<b>63</b>

### Target Species Catch

SampleDate	StartTime	EndTime	SamplingUnitNo	RKM	Bank	Event	Pass	Species	Forklength	TotalLength	Condition	DietCollected	ScalesCollected	Recapture	PITTagNo	Notes	Count
3/4/19	8:27	8:41	13-2019	64.2	river left	1	1	NONE	--	--	no data	no data	no data	no data	no data	no target fish captured	0
3/4/19	9:13	9:34	18-2019	62.7	river right	1	1	LMB	220	232	Good	Yes	Yes	No	A000000900226000377651	none entered	1
3/4/19	9:13	9:34	18-2019	62.7	river right	1	1	HH	460	497	Good	No	Yes	No	A000000900226000377590	none entered	1
3/4/19	9:13	9:34	18-2019	62.7	river right	1	1	HH	450	480	Good	No	Yes	No	A000000900226000377509	none entered	1
3/4/19	10:16	10:32	23-2019	61.2	river left	1	1	NONE	--	--	no data	no data	no data	no data	no data	no target fish captured	0
3/4/19	10:53	11:08	28-2019	59.7	river right	1	1	NONE	--	--	no data	no data	no data	no data	no data	no target fish captured	0
3/4/19	11:49	11:58	33-2019	58.2	river left	1	1	RES	140	145	no data	No	Yes	No	A000000900226000377596	Too small for diet sample	1
3/4/19	12:26	12:44	38-2019	56.7	river right	1	1	NONE	--	--	no data	no data	no data	no data	no data	no target fish captured	0
3/4/19	13:14	13:30	45-2019	54.6	river left	1	1	NONE	--	--	no data	no data	no data	no data	no data	no target fish captured	0
3/4/19	8:24	8:40	56-2019	51.3	river left	1	1	NONE	--	--	no data	no data	no data	no data	no data	no target fish captured	0
3/4/19	9:00	9:12	61-2019	49.8	river right	1	1	NONE	--	--	no data	no data	no data	no data	no data	no target fish captured	0
3/4/19	9:50	10:10	67-2019	48	river left	1	1	NONE	--	--	no data	no data	no data	no data	no data	no target fish captured	0
3/4/19	10:47	10:58	79-2019	44.4	river right	1	1	NONE	--	--	no data	no data	no data	no data	no data	no target fish captured	0
3/4/19	11:15	11:35	84-2019	42.9	river left	1	1	NONE	--	--	no data	no data	no data	no data	no data	no target fish captured	0
3/4/19	11:52	12:09	89-2019	41.4	river right	1	1	NONE	--	--	no data	no data	no data	no data	no data	no target fish captured	0
3/4/19	12:30	12:47	94-2019	39.9	river left	1	1	SMB	192	204	Good	Yes	Yes	No	A000000900226000377224	none entered	1
3/4/19	12:30	12:47	94-2019	39.9	river left	1	1	SPB	205	217	Good	Yes	Yes	No	A000000900226000377108	none entered	1
3/4/19	13:20	13:33	99-2019	38.4	river right	1	1	NONE	--	--	no data	no data	no data	no data	no data	no target fish captured	0
3/5/19	8:02	8:21	13-2019	64.2	river left	1	2	HH	305	330	Good	Yes	Yes	No	A000000900226000377544	none entered	1
3/5/19	8:40	9:03	18-2019	62.7	river right	1	2	NONE	--	--	no data	no data	no data	no data	no data	no target fish captured	0
3/5/19	9:26	9:42	23-2019	61.2	river left	1	2	NONE	--	--	no data	no data	no data	no data	no data	no target fish captured	0
3/5/19	10:22	10:40	28-2019	59.7	river right	1	2	NONE	--	--	no data	no data	no data	no data	no data	no target fish captured	0
3/5/19	10:52	11:10	33-2019	58.2	river left	1	2	BGS	94	100	Good	No	Yes	No	A000000900226000377649	none entered	1
3/5/19	9:25	9:40	67-2019	48	river left	1	2	NONE	--	--	no data	no data	no data	no data	no data	no target fish captured	0
3/5/19	10:15	10:26	79-2019	44.4	river right	1	2	NONE	--	--	no data	no data	no data	no data	no data	no target fish captured	0
3/5/19	10:55	11:12	84-2019	42.9	river left	1	2	SMB	80	85	Good	Yes	Yes	No	A000000900226000377237	none entered	1
3/5/19	11:39	11:52	89-2019	41.4	river right	1	2	NONE	--	--	no data	no data	no data	no data	no data	no target fish captured	0
3/5/19	14:51	15:24	50-2019	53.1	river right	1	1	NONE	--	--	no data	no data	no data	no data	no data	no target fish captured	0
3/6/19	14:07	14:43	50-2019	53.1	river right	1	1	NONE	--	--	no data	no data	no data	no data	no data	no target fish captured	0
3/7/19	11:31	11:50	104-2019	36.9	river left	1	1	NONE	--	--	no data	no data	no data	no data	no data	no target fish captured	0
3/7/19	11:08	11:17	109-2019	35.4	river right	1	1	NONE	--	--	no data	no data	no data	no data	no data	no target fish captured	0
3/7/19	10:08	10:33	114-2019	33.9	river left	1	1	LMB	400	420	Good	Yes	Yes	No	A000000900226000377613	none entered	1
3/7/19	10:08	10:33	114-2019	33.9	river left	1	1	RES	167	176	Good	Yes	Yes	No	A000000900226000377633	none entered	1
3/7/19	9:25	9:45	119-2019	32.4	river right	1	1	NONE	--	--	no data	no data	no data	no data	no data	no target fish captured	0
3/7/19	12:12	12:36	124-2019	30.9	river left	1	1	BGS	123	128	Good	Yes	Yes	No	A000000900226000377676	none entered	1
3/7/19	13:00	13:11	129-2019	29.4	river right	1	1	NONE	--	--	no data	no data	no data	no data	no data	no target fish captured	0
3/8/19	12:13	12:27	104-2019	36.9	river left	1	2	NONE	--	--	no data	no data	no data	no data	no data	no target fish captured	0
3/8/19	11:40	11:51	109-2019	35.4	river right	1	2	HH	437	470	Good	Yes	Yes	No	A000000900226000377568	none entered	1
3/8/19	10:53	11:13	114-2019	33.9	river left	1	2	HH	375	400	Good	Empty	Yes	No	A000000900226000377512	none entered	1
3/8/19	10:53	11:13	114-2019	33.9	river left	1	2	HH	410	440	Good	Empty	Yes	No	A000000900226000377720	none entered	1
3/8/19	10:26	10:37	119-2019	32.4	river right	1	2	NONE	--	--	no data	no data	no data	no data	no data	no target fish captured	0
3/8/19	9:27	9:58	124-2019	30.9	river left	1	2	SMB	255	267	Good	Yes	Yes	No	A000000900226000377535	none entered	1
3/8/19	8:53	9:09	129-2019	29.4	river right	1	2	NONE	--	--	no data	no data	no data	no data	no data	no target fish captured	0
3/11/19	14:08	14:29	139-2019	26.4	river left	1	1	SPB	201	217	Good	Yes	Yes	No	A000000900226000377567	none entered	1
3/11/19	13:09	13:25	144-2019	24.9	river right	1	1	SMB	77	82	Good	Yes	Yes	No	A000000900226000377718	none entered	1
3/11/19	13:09	13:25	144-2019	24.9	river right	1	1	SMB	159	170	Poor	Yes	Yes	No	A000000900226000377711	Not gilling well upon release	1
3/11/19	12:38	12:51	149-2019	23.4	river left	1	1	NONE	--	--	no data	no data	no data	no data	no data	no target fish captured	0
3/11/19	11:43	12:01	154-2019	21.9	river right	1	1	NONE	--	--	no data	no data	no data	no data	no data	no target fish captured	0
3/11/19	11:20	11:29	159-2019	20.4	river left	1	1	NONE	--	--	no data	no data	no data	no data	no data	no target fish captured	0
3/11/19	10:56	11:06	164-2019	18.9	river right	1	1	NONE	--	--	no data	no data	no data	no data	no data	no target fish captured	0
3/11/19	10:09	10:16	169-2019	17.4	river left	1	1	NONE	--	--	no data	no data	no data	no data	no data	no target fish captured	0
3/11/19	9:24	9:41	174-2019	15.9	river right	1	1	SPB	61	64	Good	No	Yes	No	no data	none entered	1
3/11/19	15:09	15:20	186-2019	12.3	river left	1	1	NONE	--	--	no data	no data	no data	no data	no data	no target fish captured	0
3/11/19	14:47	15:02	191-2019	10.8	river right	1	1	NONE	--	--	no data	no data	no data	no data	no data	no target fish captured	0
3/11/19	14:25	14:37	196-2019	9.3	river left	1	1	NONE	--	--	no data	no data	no data	no data	no data	no target fish captured	0
3/11/19	13:14	13:35	201-2019	7.8	river right	1	1	SPB	99	111	Good	Yes	Yes	No	A000000900226000377033	none entered	1
3/11/19	13:14	13:35	201-2019	7.8	river right	1	1	SPB	95	101	Good	Yes	Yes	No	A000000900226000377228	none entered	1
3/11/19	13:14	13:35	201-2019	7.8	river right	1	1	SPB	199	212	Good	Yes	Yes	No	A000000900226000377163	none entered	1
3/11/19	13:14	13:35	201-2019	7.8	river right	1	1	SMB	85	90	Good	Yes	Yes	No	A000000900226000377118	none entered	1
3/11/19	13:14	13:35	201-2019	7.8	river right	1	1	SPB	110	117	Good	Yes	Yes	No	A000000900226000377066	none entered	1
3/11/19	13:14	13:35	201-2019	7.8	river right	1	1	SMB	102	117	Good	Yes	Yes	No	A000000900226000377087	none entered	1
3/11/19	13:14	13:35	201-2019	7.8	river right	1	1	SMB	95	101	Good	Empty	Yes	No	A000000900226000377201	none entered	1
3/11/19	13:14	13:35	201-2019	7.8	river right	1	1	SPB	85	91	Good	Empty	Yes	No	A000000900226000377179	none entered	1
3/11/19	12:44	12:58	206-2019	6.3	river left	1	1	NONE	--	--	no data	no data	no data	no data	no data	no target fish captured	0
3/11/19	11:25	11:45	211-2019	4.8	river right	1	1	SMB	460	480	Good	Yes	Yes	No	A000000900226000377205	none entered	1
3/11/19	11:25	11:45	211-2019	4.8	river right	1	1	STB	650	710	Good	Yes	Yes	No	A000000900226000377032	none entered	1
3/11/19	11:25	11:45	211-2019	4.8	river right	1	1	BKS	150	155	Good	Yes	Yes	No	A000000900226000377117	none entered	1
3/11/19	11:25	11:45	211-2019	4.8	river right	1	1	WHC	510	565	Good	Yes	No	No	A000000900226000377025	none entered	1
3/11/19	11:25	11:45	211-2019	4.8	river right	1	1	SPB	72	75	Fair	Yes	Yes	No	A000000900226000377203	none entered	1
3/11/19	10:20	10:38	216-2019	3.3	river left	1	1	STB	720	760	Good	Empty	Yes	No	A000000900226000377180	none entered	1
3/11/2019	10:20	10:38	216-2019	3.3	river left	1	1	STB	415	440	Good	Empty	Yes	No	A000000900226000377206	none entered	1
3/11/2019	10:20	10:38	216-2019	3.3	river left	1	1	STB	495	520	Good	Empty	Yes	No	A000000900226000377221	none entered	1
3/12/2019	14:00	14:23	139-2019	26.4	river left	1	2	SPB	67	70	Good	Yes	Yes	No	no data	Too small	1
3/12/2019	14:00	14:23	139-2019	26.4	river left	1	2	HH	400	430	Poor	Yes	Yes	No	no data	Hit hard, no obvious injury, released	1
3/12/2019	14:00	14:23	139-2019	26.4	river left	1	2	HH	395	430	Good	Yes	Yes	No	A000000900226000377662	none entered	1
3/12/2019	13:21	13:37	144-2019	24.9	river right	1	2	NONE	--	--	no data	no data	no data	no data	no data	no target fish captured	0
3/12/2019	12:54	13:07	149-2019	23.4	river left	1	2	NONE	--	--	no data	no data	no data	no data	no data	no target fish captured	0
3/12/2019	11:53	12:13	154-2019	21.9	river right	1	2	SPB	76	79	Good	Yes	Yes	No	A000000900226000377571	none entered	1
3/12/2019	11:53	12:13	154-2019	21.9	river right	1	2	SPB	240	260	Good	Yes	Yes	Yes	A000000900226000377132	none entered	1

## Target Species Catch

SampleDate	StartTime	EndTime	SamplingUnitNo	RKM	Bank	Event	Pass	Species	Forklength	TotalLength	Condition	DietCollected	ScalesCollected	Recapture	PITTagNo	Notes	Count
3/12/2019	11:53	12:13	154-2019	21.9	river right	1	2	STB	370	395	Fair	Yes	Yes	No	A000000900226000377529	none entered	1
3/12/2019	11:14	11:24	159-2019	20.4	river left	1	2	NONE	--	--	no data	no data	no data	no data	no data	no target fish captured	0
3/12/2019	10:47	10:52	164-2019	18.9	river right	1	2	NONE	--	--	no data	no data	no data	no data	no data	no target fish captured	0
3/12/2019	10:21	10:32	169-2019	17.4	river left	1	2	NONE	--	--	no data	no data	no data	no data	no data	no target fish captured	0
3/12/2019	9:50	10:01	174-2019	15.9	river right	1	2	NONE	--	--	no data	no data	no data	no data	no data	no target fish captured	0
3/12/2019	15:55	16:11	186-2019	12.3	river left	1	2	SPB	86	89	Good	Empty	Yes	No	A000000900226000377141	none entered	1
3/12/2019	15:55	16:11	186-2019	12.3	river left	1	2	SPB	78	82	Good	Empty	Yes	No	A000000900226000377105	none entered	1
3/12/2019	15:08	15:24	191-2019	10.8	river right	1	2	WHC	225	240	Good	Yes	No	No	A000000900226000377064	none entered	1
3/12/2019	15:08	15:24	191-2019	10.8	river right	1	2	RES	196	205	Good	Yes	Yes	No	A000000900226000377246	none entered	1
3/12/2019	15:08	15:24	191-2019	10.8	river right	1	2	STB	380	410	Good	Yes	Yes	No	A000000900226000377249	none entered	1
3/12/2019	14:46	14:56	196-2019	9.3	river left	1	2	NONE	--	--	no data	no data	no data	no data	no data	no target fish captured	0
3/12/2019	13:30	13:53	201-2019	7.8	river right	1	2	SPB	83	87	Good	Yes	Yes	No	A000000900226000377151	none entered	1
3/12/2019	13:30	13:53	201-2019	7.8	river right	1	2	SPB	90	94	Good	Yes	Yes	No	A000000900226000377188	none entered	1
3/12/2019	13:30	13:53	201-2019	7.8	river right	1	2	SPB	82	85	Good	Yes	Yes	No	A000000900226000377039	none entered	1
3/12/2019	13:30	13:53	201-2019	7.8	river right	1	2	SPB	98	104	Good	Empty	Yes	No	A000000900226000377024	none entered	1
3/12/2019	13:30	13:53	201-2019	7.8	river right	1	2	SPB	89	94	Good	Empty	Yes	No	A000000900226000377154	none entered	1
3/12/2019	13:30	13:53	201-2019	7.8	river right	1	2	SPB	82	85	Good	Empty	Yes	No	A000000900226000377093	none entered	1
3/12/2019	13:30	13:53	201-2019	7.8	river right	1	2	SMB	345	370	Good	Yes	Yes	No	A000000900226000377099	none entered	1
3/12/2019	13:01	13:20	206-2019	6.3	river left	1	2	NONE	--	--	no data	no data	no data	no data	no data	no target fish captured	0
3/12/2019	11:56	12:14	211-2019	4.8	river right	1	2	SPB	92	95	Good	Yes	Yes	No	A000000900226000377034	none entered	1
3/12/2019	11:56	12:14	211-2019	4.8	river right	1	2	SMB	300	320	Good	Yes	Yes	No	A000000900226000377073	none entered	1
3/12/2019	11:56	12:14	211-2019	4.8	river right	1	2	STB	430	460	Good	Yes	Yes	No	A000000900226000377074	none entered	1
3/12/2019	11:56	12:14	211-2019	4.8	river right	1	2	LMB	325	340	Good	Yes	Yes	No	A000000900226000377112	none entered	1
3/12/2019	10:33	10:53	216-2019	3.3	river left	1	2	SPB	99	104	Good	Empty	Yes	No	A000000900226000377014	none entered	1
3/12/2019	10:33	10:53	216-2019	3.3	river left	1	2	SMB	150	162	Good	Yes	Yes	No	A000000900226000377149	abrasion on side	1
3/12/2019	10:33	10:53	216-2019	3.3	river left	1	2	STB	405	440	Fair	Yes	Yes	No	A000000900226000377147	abrasion on side	1
3/12/2019	10:33	10:53	216-2019	3.3	river left	1	2	STB	470	510	Good	Empty	Yes	No	A000000900226000377047	none entered	1
3/12/2019	10:33	10:53	216-2019	3.3	river left	1	2	STB	355	385	Good	Yes	Yes	No	A000000900226000377031	none entered	1

## Non-Target Catch

SampleDate	StartTime	EndTime	SamplingUnitNo	RKM	Bank	Event	Pass	Species	Forklength	TotalLength	Count
3/4/19	8:27	8:41	13-2019	64.2	river left	1	1	NONE	--	--	0
3/4/19	9:13	9:34	18-2019	62.7	river right	1	1	SASU	400	425	1
3/4/19	9:13	9:34	18-2019	62.7	river right	1	1	SASU	455	476	1
3/4/19	10:16	10:32	23-2019	61.2	river left	1	1	SASU	35	37	1
3/4/19	10:16	10:32	23-2019	61.2	river left	1	1	SASU	55	60	1
3/4/19	10:16	10:32	23-2019	61.2	river left	1	1	SASU	468	494	1
3/4/19	10:16	10:32	23-2019	61.2	river left	1	1	SASQ	36	40	1
3/4/19	10:53	11:08	28-2019	59.7	river right	1	1	SASU	550	525	1
3/4/19	10:53	11:08	28-2019	59.7	river right	1	1	SASU	415	440	1
3/4/19	10:53	11:08	28-2019	59.7	river right	1	1	SASU	440	465	1
3/4/19	11:49	11:58	33-2019	58.2	river left	1	1	SASU	505	535	1
3/4/19	12:26	12:44	38-2019	56.7	river right	1	1	SASU	410	432	1
3/4/19	12:26	12:44	38-2019	56.7	river right	1	1	SASQ	38	43	1
3/4/19	13:14	13:30	45-2019	54.6	river left	1	1	SASU	502	530	1
3/4/19	13:14	13:30	45-2019	54.6	river left	1	1	CHN	42	45	1
3/4/19	8:24	8:40	56-2019	51.3	river left	1	1	CHN	35	39	1
3/4/19	8:24	8:40	56-2019	51.3	river left	1	1	CHN	37	39	1
3/4/19	8:24	8:40	56-2019	51.3	river left	1	1	CHN	45	48	1
3/4/19	8:24	8:40	56-2019	51.3	river left	1	1	SASQ	55	60	1
3/4/19	9:00	9:12	61-2019	49.8	river right	1	1	CHN	45	49	1
3/4/19	9:00	9:12	61-2019	49.8	river right	1	1	CHN	--	--	1
3/4/19	9:50	10:10	67-2019	48	river left	1	1	CHN	40	48	1
3/4/19	9:50	10:10	67-2019	48	river left	1	1	CHN	35	37	1
3/4/19	9:50	10:10	67-2019	48	river left	1	1	CHN	35	37	1
3/4/19	9:50	10:10	67-2019	48	river left	1	1	CHN	35	37	1
3/4/19	9:50	10:10	67-2019	48	river left	1	1	CHN	37	39	1
3/4/19	9:50	10:10	67-2019	48	river left	1	1	CHN	43	46	1
3/4/19	9:50	10:10	67-2019	48	river left	1	1	CHN	37	39	1
3/4/19	9:50	10:10	67-2019	48	river left	1	1	CHN	43	46	1
3/4/19	9:50	10:10	67-2019	48	river left	1	1	CHN	38	40	1
3/4/19	9:50	10:10	67-2019	48	river left	1	1	SASU	72	77	1
3/4/19	9:50	10:10	67-2019	48	river left	1	1	SASU	50	54	1
3/4/19	10:47	10:58	79-2019	44.4	river right	1	1	CHN	43	46	1
3/4/19	10:47	10:58	79-2019	44.4	river right	1	1	CHN	40	42	1
3/4/19	10:47	10:58	79-2019	44.4	river right	1	1	CHN	40	44	1

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## Non-Target Catch

SampleDate	StartTime	EndTime	SamplingUnitNo	RKM	Bank	Event	Pass	Species	Forklength	TotalLength	Count
3/4/19	10:47	10:58	79-2019	44.4	river right	1	1	CHN	42	45	1
3/4/19	10:47	10:58	79-2019	44.4	river right	1	1	CHN	40	45	1
3/4/19	10:47	10:58	79-2019	44.4	river right	1	1	CHN	42	45	1
3/4/19	10:47	10:58	79-2019	44.4	river right	1	1	CHN	46	50	1
3/4/19	10:47	10:58	79-2019	44.4	river right	1	1	CHN	40	43	1
3/4/19	11:15	11:35	84-2019	42.9	river left	1	1	CHN	45	49	1
3/4/19	11:15	11:35	84-2019	42.9	river left	1	1	CHN	47	50	1
3/4/19	11:15	11:35	84-2019	42.9	river left	1	1	CHN	43	46	1
3/4/19	11:15	11:35	84-2019	42.9	river left	1	1	CHN	39	42	1
3/4/19	11:15	11:35	84-2019	42.9	river left	1	1	CHN	37	39	1
3/4/19	11:15	11:35	84-2019	42.9	river left	1	1	CHN	39	42	1
3/4/19	11:15	11:35	84-2019	42.9	river left	1	1	CHN	38	40	1
3/4/19	11:15	11:35	84-2019	42.9	river left	1	1	CHN	37	39	1
3/4/19	11:15	11:35	84-2019	42.9	river left	1	1	CHN	47	50	1
3/4/19	11:15	11:35	84-2019	42.9	river left	1	1	CHN	37	39	1
3/4/19	11:52	12:09	89-2019	41.4	river right	1	1	CHN	39	42	1
3/4/19	11:52	12:09	89-2019	41.4	river right	1	1	CHN	38	40	1
3/4/19	11:52	12:09	89-2019	41.4	river right	1	1	CHN	43	45	1
3/4/19	11:52	12:09	89-2019	41.4	river right	1	1	CHN	47	49	1
3/4/19	11:52	12:09	89-2019	41.4	river right	1	1	CHN	40	45	1
3/4/19	11:52	12:09	89-2019	41.4	river right	1	1	CHN	35	37	1
3/4/19	11:52	12:09	89-2019	41.4	river right	1	1	CHN	38	41	1
3/4/19	11:52	12:09	89-2019	41.4	river right	1	1	SASQ	55	60	1
3/4/19	11:52	12:09	89-2019	41.4	river right	1	1	SASQ	47	52	1
3/4/19	11:52	12:09	89-2019	41.4	river right	1	1	SASQ	43	45	1
3/4/19	11:52	12:09	89-2019	41.4	river right	1	1	SASQ	53	58	1
3/4/19	11:52	12:09	89-2019	41.4	river right	1	1	SASQ	43	48	1
3/4/19	12:30	12:47	94-2019	39.9	river left	1	1	CHN	45	49	1
3/4/19	12:30	12:47	94-2019	39.9	river left	1	1	CHN	45	49	1
3/4/19	12:30	12:47	94-2019	39.9	river left	1	1	CHN	49	52	1
3/4/19	12:30	12:47	94-2019	39.9	river left	1	1	CHN	45	49	1
3/4/19	12:30	12:47	94-2019	39.9	river left	1	1	CHN	48	51	1
3/4/19	12:30	12:47	94-2019	39.9	river left	1	1	CHN	47	49	1
3/4/19	12:30	12:47	94-2019	39.9	river left	1	1	CHN	40	43	1
3/4/19	12:30	12:47	94-2019	39.9	river left	1	1	SASQ	45	49	1

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## Non-Target Catch

SampleDate	StartTime	EndTime	SamplingUnitNo	RKM	Bank	Event	Pass	Species	Forklength	TotalLength	Count
3/4/19	12:30	12:47	94-2019	39.9	river left	1	1	SASQ	50	55	1
3/4/19	13:20	13:33	99-2019	38.4	river right	1	1	CHN	42	45	1
3/4/19	13:20	13:33	99-2019	38.4	river right	1	1	CHN	40	44	1
3/4/19	13:20	13:33	99-2019	38.4	river right	1	1	CHN	38	41	1
3/4/19	13:20	13:33	99-2019	38.4	river right	1	1	SASQ	70	75	1
3/4/19	13:20	13:33	99-2019	38.4	river right	1	1	HH	58	65	1
3/4/19	13:20	13:33	99-2019	38.4	river right	1	1	SASU	38	40	1
3/4/19	13:20	13:33	99-2019	38.4	river right	1	1	SASU	35	37	1
3/5/19	8:02	8:21	13-2019	64.2	river left	1	2	CHN	45	48	1
3/5/19	8:02	8:21	13-2019	64.2	river left	1	2	CHN	47	51	1
3/5/19	8:02	8:21	13-2019	64.2	river left	1	2	CHN	45	47	1
3/5/19	8:02	8:21	13-2019	64.2	river left	1	2	CHN	54	58	1
3/5/19	8:02	8:21	13-2019	64.2	river left	1	2	CHN	36	38	1
3/5/19	8:02	8:21	13-2019	64.2	river left	1	2	CHN	42	45	1
3/5/19	8:02	8:21	13-2019	64.2	river left	1	2	CHN	49	53	1
3/5/19	8:02	8:21	13-2019	64.2	river left	1	2	SASU	435	460	1
3/5/19	8:02	8:21	13-2019	64.2	river left	1	2	SASU	410	432	1
3/5/19	8:40	9:03	18-2019	62.7	river right	1	2	SASU	465	485	1
3/5/19	8:40	9:03	18-2019	62.7	river right	1	2	SASU	505	520	1
3/5/19	8:40	9:03	18-2019	62.7	river right	1	2	SASU	400	420	1
3/5/19	8:40	9:03	18-2019	62.7	river right	1	2	SASU	410	441	1
3/5/19	9:26	9:42	23-2019	61.2	river left	1	2	CHN	36	38	1
3/5/19	9:26	9:42	23-2019	61.2	river left	1	2	SASU	475	505	1
3/5/19	9:26	9:42	23-2019	61.2	river left	1	2	SASU	425	447	1
3/5/19	10:22	10:40	28-2019	59.7	river right	1	2	NONE	--	--	0
3/5/19	10:52	11:10	33-2019	58.2	river left	1	2	SASU	440	455	1
3/5/19	9:25	9:40	67-2019	48	river left	1	2	CHN	52	58	1
3/5/19	10:15	10:26	79-2019	44.4	river right	1	2	CHN	43	46	1
3/5/19	10:55	11:12	84-2019	42.9	river left	1	2	CHN	37	39	1
3/5/19	10:55	11:12	84-2019	42.9	river left	1	2	CHN	41	43	1
3/5/19	10:55	11:12	84-2019	42.9	river left	1	2	CHN	47	49	1
3/5/19	10:55	11:12	84-2019	42.9	river left	1	2	CHN	44	46	1
3/5/19	11:39	11:52	89-2019	41.4	river right	1	2	NONE	--	--	0
3/6/19	14:51	15:24	50-2019	53.1	river right	1	1	SASU	380	395	1
3/6/19	14:07	14:43	50-2019	53.1	river right	1	1	SASU	420	440	1

## Non-Target Catch

SampleDate	StartTime	EndTime	SamplingUnitNo	RKM	Bank	Event	Pass	Species	Forklength	TotalLength	Count
3/7/19	11:31	11:50	104-2019	36.9	river left	1	1	CHN	49	53	1
3/7/19	11:31	11:50	104-2019	36.9	river left	1	1	CHN	37	39	1
3/7/19	11:31	11:50	104-2019	36.9	river left	1	1	CHN	38	40	1
3/7/19	11:31	11:50	104-2019	36.9	river left	1	1	CHN	51	53	1
3/7/19	11:31	11:50	104-2019	36.9	river left	1	1	CHN	47	50	1
3/7/19	11:31	11:50	104-2019	36.9	river left	1	1	CHN	39	41	1
3/7/19	11:31	11:50	104-2019	36.9	river left	1	1	CHN	38	40	1
3/7/19	11:31	11:50	104-2019	36.9	river left	1	1	CHN	53	57	1
3/7/19	11:31	11:50	104-2019	36.9	river left	1	1	CHN	46	49	1
3/7/19	11:31	11:50	104-2019	36.9	river left	1	1	CHN	52	55	1
3/7/19	11:31	11:50	104-2019	36.9	river left	1	1	CHN	--	--	4
3/7/19	11:31	11:50	104-2019	36.9	river left	1	1	SASQ	47	53	1
3/7/19	11:31	11:50	104-2019	36.9	river left	1	1	SASQ	43	47	1
3/7/19	11:31	11:50	104-2019	36.9	river left	1	1	SASQ	45	49	1
3/7/19	11:31	11:50	104-2019	36.9	river left	1	1	SASQ	53	58	1
3/7/19	11:08	11:17	109-2019	35.4	river right	1	1	CHN	58	64	1
3/7/19	11:08	11:17	109-2019	35.4	river right	1	1	CHN	44	46	1
3/7/19	11:08	11:17	109-2019	35.4	river right	1	1	CHN	52	55	1
3/7/19	10:08	10:33	114-2019	33.9	river left	1	1	CHN	46	48	1
3/7/19	10:08	10:33	114-2019	33.9	river left	1	1	CHN	40	42	1
3/7/19	10:08	10:33	114-2019	33.9	river left	1	1	CHN	47	49	1
3/7/19	10:08	10:33	114-2019	33.9	river left	1	1	CHN	45	47	1
3/7/19	10:08	10:33	114-2019	33.9	river left	1	1	CHN	--	--	1
3/7/19	10:08	10:33	114-2019	33.9	river left	1	1	SASQ	59	65	1
3/7/19	10:08	10:33	114-2019	33.9	river left	1	1	SASU	58	61	1
3/7/19	9:25	9:45	119-2019	32.4	river right	1	1	CHN	40	42	1
3/7/19	9:25	9:45	119-2019	32.4	river right	1	1	CHN	36	38	1
3/7/19	9:25	9:45	119-2019	32.4	river right	1	1	CHN	42	44	1
3/7/19	9:25	9:45	119-2019	32.4	river right	1	1	CHN	37	39	1
3/7/19	9:25	9:45	119-2019	32.4	river right	1	1	CHN	40	43	1
3/7/19	9:25	9:45	119-2019	32.4	river right	1	1	CHN	36	38	1
3/7/19	9:25	9:45	119-2019	32.4	river right	1	1	CHN	51	54	1
3/7/19	9:25	9:45	119-2019	32.4	river right	1	1	CHN	50	53	1
3/7/19	9:25	9:45	119-2019	32.4	river right	1	1	CHN	42	44	1
3/7/19	9:25	9:45	119-2019	32.4	river right	1	1	HH	49	54	1

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## Non-Target Catch

SampleDate	StartTime	EndTime	SamplingUnitNo	RKM	Bank	Event	Pass	Species	Forklength	TotalLength	Count
3/7/19	12:12	12:36	124-2019	30.9	river left	1	1	CHN	45	47	1
3/7/19	12:12	12:36	124-2019	30.9	river left	1	1	CHN	46	48	1
3/7/19	12:12	12:36	124-2019	30.9	river left	1	1	CHN	46	49	1
3/7/19	12:12	12:36	124-2019	30.9	river left	1	1	CHN	48	51	1
3/7/19	12:12	12:36	124-2019	30.9	river left	1	1	CHN	51	54	1
3/7/19	12:12	12:36	124-2019	30.9	river left	1	1	CHN	47	50	1
3/7/19	12:12	12:36	124-2019	30.9	river left	1	1	CHN	36	39	1
3/7/19	12:12	12:36	124-2019	30.9	river left	1	1	CHN	36	38	1
3/7/19	12:12	12:36	124-2019	30.9	river left	1	1	CHN	38	40	1
3/7/19	12:12	12:36	124-2019	30.9	river left	1	1	CHN	44	47	1
3/7/19	12:12	12:36	124-2019	30.9	river left	1	1	CHN	--	--	7
3/7/19	13:00	13:11	129-2019	29.4	river right	1	1	CHN	44	46	1
3/7/19	13:00	13:11	129-2019	29.4	river right	1	1	CHN	49	52	1
3/8/19	12:13	12:27	104-2019	36.9	river left	1	2	CHN	45	48	1
3/8/19	11:40	11:51	109-2019	35.4	river right	1	2	CHN	42	45	1
3/8/19	11:40	11:51	109-2019	35.4	river right	1	2	CHN	46	50	1
3/8/19	11:40	11:51	109-2019	35.4	river right	1	2	CHN	52	56	1
3/8/19	10:53	11:13	114-2019	33.9	river left	1	2	SASQ	60	65	1
3/8/19	10:53	11:13	114-2019	33.9	river left	1	2	SASQ	69	76	1
3/8/19	10:53	11:13	114-2019	33.9	river left	1	2	CHN	46	49	1
3/8/19	10:53	11:13	114-2019	33.9	river left	1	2	CHN	43	46	1
3/8/19	10:53	11:13	114-2019	33.9	river left	1	2	CHN	58	63	1
3/8/19	10:26	10:37	119-2019	32.4	river right	1	2	CHN	44	47	1
3/8/19	10:26	10:37	119-2019	32.4	river right	1	2	CHN	44	46	1
3/8/19	10:26	10:37	119-2019	32.4	river right	1	2	CHN	49	52	1
3/8/19	10:26	10:37	119-2019	32.4	river right	1	2	CHN	44	46	1
3/8/19	10:26	10:37	119-2019	32.4	river right	1	2	CHN	49	52	1
3/8/2019	10:26	10:37	119-2019	32.4	river right	1	2	CHN	48	51	1
3/8/2019	10:26	10:37	119-2019	32.4	river right	1	2	CHN	45	48	1
3/8/2019	10:26	10:37	119-2019	32.4	river right	1	2	CHN	56	61	1
3/8/2019	9:27	9:58	124-2019	30.9	river left	1	2	CHN	38	40	1
3/8/2019	9:27	9:58	124-2019	30.9	river left	1	2	CHN	47	51	1
3/8/2019	9:27	9:58	124-2019	30.9	river left	1	2	CHN	36	40	1
3/8/2019	9:27	9:58	124-2019	30.9	river left	1	2	CHN	47	52	1
3/8/2019	9:27	9:58	124-2019	30.9	river left	1	2	CHN	45	47	1

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## Non-Target Catch

SampleDate	StartTime	EndTime	SamplingUnitNo	RKM	Bank	Event	Pass	Species	Forklength	TotalLength	Count
3/8/2019	9:27	9:58	124-2019	30.9	river left	1	2	CHN	46	50	1
3/8/2019	9:27	9:58	124-2019	30.9	river left	1	2	CHN	43	46	1
3/8/2019	9:27	9:58	124-2019	30.9	river left	1	2	CHN	51	55	1
3/8/2019	9:27	9:58	124-2019	30.9	river left	1	2	CHN	39	43	1
3/8/2019	9:27	9:58	124-2019	30.9	river left	1	2	CHN	36	39	1
3/8/2019	9:27	9:58	124-2019	30.9	river left	1	2	CHN	--	--	15
3/8/2019	9:27	9:58	124-2019	30.9	river left	1	2	CHN	--	--	3
3/8/2019	8:53	9:09	129-2019	29.4	river right	1	2	CHN	42	46	1
3/8/2019	8:53	9:09	129-2019	29.4	river right	1	2	CHN	44	47	1
3/8/2019	8:53	9:09	129-2019	29.4	river right	1	2	CHN	42	45	1
3/8/2019	8:53	9:09	129-2019	29.4	river right	1	2	CHN	43	46	1
3/8/2019	8:53	9:09	129-2019	29.4	river right	1	2	CHN	41	44	1
3/8/2019	8:53	9:09	129-2019	29.4	river right	1	2	CHN	42	46	1
3/8/2019	8:53	9:09	129-2019	29.4	river right	1	2	CHN	42	46	1
3/8/2019	8:53	9:09	129-2019	29.4	river right	1	2	CHN	41	44	1
3/8/2019	8:53	9:09	129-2019	29.4	river right	1	2	CHN	41	43	1
3/8/2019	8:53	9:09	129-2019	29.4	river right	1	2	CHN	39	41	1
3/8/2019	8:53	9:09	129-2019	29.4	river right	1	2	CHN	--	--	10
3/8/2019	8:53	9:09	129-2019	29.4	river right	1	2	CHN	--	--	2
3/11/2019	14:08	14:29	139-2019	26.4	river left	1	1	CHN	57	62	1
3/11/2019	14:08	14:29	139-2019	26.4	river left	1	1	CHN	43	45	1
3/11/2019	14:08	14:29	139-2019	26.4	river left	1	1	CHN	49	52	1
3/11/2019	14:08	14:29	139-2019	26.4	river left	1	1	CHN	52	56	1
3/11/2019	14:08	14:29	139-2019	26.4	river left	1	1	CHN	47	50	1
3/11/2019	14:08	14:29	139-2019	26.4	river left	1	1	CHN	47	50	1
3/11/2019	14:08	14:29	139-2019	26.4	river left	1	1	CHN	43	45	1
3/11/2019	14:08	14:29	139-2019	26.4	river left	1	1	CHN	52	56	1
3/11/2019	14:08	14:29	139-2019	26.4	river left	1	1	CHN	52	56	1
3/11/2019	14:08	14:29	139-2019	26.4	river left	1	1	CHN	42	45	1
3/11/2019	14:08	14:29	139-2019	26.4	river left	1	1	CHN	42	45	1
3/11/2019	14:08	14:29	139-2019	26.4	river left	1	1	CHN	42	45	1
3/11/2019	14:08	14:29	139-2019	26.4	river left	1	1	SASQ	32	34	1
3/11/2019	14:08	14:29	139-2019	26.4	river left	1	1	SASQ	39	43	1
3/11/2019	14:08	14:29	139-2019	26.4	river left	1	1	SASQ	38	41	1
3/11/2019	14:08	14:29	139-2019	26.4	river left	1	1	SASQ	39	42	1

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## Non-Target Catch

SampleDate	StartTime	EndTime	SamplingUnitNo	RKM	Bank	Event	Pass	Species	Forklength	TotalLength	Count
3/11/2019	14:08	14:29	139-2019	26.4	river left	1	1	SASQ	35	37	1
3/11/2019	14:08	14:29	139-2019	26.4	river left	1	1	GSN	66	73	1
3/11/2019	13:09	13:25	144-2019	24.9	river right	1	1	CHN	50	55	1
3/11/2019	13:09	13:25	144-2019	24.9	river right	1	1	CHN	39	42	1
3/11/2019	13:09	13:25	144-2019	24.9	river right	1	1	CHN	37	39	1
3/11/2019	13:09	13:25	144-2019	24.9	river right	1	1	CHN	47	50	1
3/11/2019	13:09	13:25	144-2019	24.9	river right	1	1	CHN	47	50	1
3/11/2019	13:09	13:25	144-2019	24.9	river right	1	1	CHN	55	59	1
3/11/2019	13:09	13:25	144-2019	24.9	river right	1	1	CHN	42	44	1
3/11/2019	13:09	13:25	144-2019	24.9	river right	1	1	CHN	46	48	1
3/11/2019	13:09	13:25	144-2019	24.9	river right	1	1	CHN	35	37	1
3/11/2019	13:09	13:25	144-2019	24.9	river right	1	1	CHN	35	37	1
3/11/2019	13:09	13:25	144-2019	24.9	river right	1	1	CHN	45	49	1
3/11/2019	12:38	12:51	149-2019	23.4	river left	1	1	CHN	50	53	1
3/11/2019	12:38	12:51	149-2019	23.4	river left	1	1	CHN	53	56	1
3/11/2019	11:43	12:01	154-2019	21.9	river right	1	1	CHN	55	59	1
3/11/2019	11:43	12:01	154-2019	21.9	river right	1	1	CHN	56	60	1
3/11/2019	11:43	12:01	154-2019	21.9	river right	1	1	CHN	72	80	1
3/11/2019	11:43	12:01	154-2019	21.9	river right	1	1	CHN	55	59	1
3/11/2019	11:20	11:29	159-2019	20.4	river left	1	1	SASU	510	541	1
3/11/2019	10:56	11:06	164-2019	18.9	river right	1	1	SASU	435	460	1
3/11/2019	10:09	10:16	169-2019	17.4	river left	1	1	CHN	52	55	1
3/11/2019	10:09	10:16	169-2019	17.4	river left	1	1	CHN	57	60	1
3/11/2019	9:24	9:41	174-2019	15.9	river right	1	1	CHN	52	55	1
3/11/2019	9:24	9:41	174-2019	15.9	river right	1	1	CHN	48	50	1
3/11/2019	9:24	9:41	174-2019	15.9	river right	1	1	CHN	37	39	1
3/11/2019	9:24	9:41	174-2019	15.9	river right	1	1	CHN	48	51	1
3/11/2019	9:24	9:41	174-2019	15.9	river right	1	1	CHN	39	41	1
3/11/2019	9:24	9:41	174-2019	15.9	river right	1	1	CHN	45	48	1
3/11/2019	15:09	15:20	186-2019	12.3	river left	1	1	CHN	52	56	1
3/11/2019	15:09	15:20	186-2019	12.3	river left	1	1	CHN	42	45	1
3/11/2019	15:09	15:20	186-2019	12.3	river left	1	1	CHN	43	46	1
3/11/2019	15:09	15:20	186-2019	12.3	river left	1	1	CHN	38	40	1
3/11/2019	14:47	15:02	191-2019	10.8	river right	1	1	NONE	--	--	0
3/11/2019	14:25	14:37	196-2019	9.3	river left	1	1	CHN	54	58	1

## Non-Target Catch

SampleDate	StartTime	EndTime	SamplingUnitNo	RKM	Bank	Event	Pass	Species	Forklength	TotalLength	Count
3/11/2019	14:25	14:37	196-2019	9.3	river left	1	1	CHN	36	38	1
3/11/2019	13:14	13:35	201-2019	7.8	river right	1	1	CHN	38	40	1
3/11/2019	13:14	13:35	201-2019	7.8	river right	1	1	CHN	48	51	1
3/11/2019	13:14	13:35	201-2019	7.8	river right	1	1	CHN	38	40	1
3/11/2019	13:14	13:35	201-2019	7.8	river right	1	1	CHN	43	46	1
3/11/2019	13:14	13:35	201-2019	7.8	river right	1	1	CHN	41	43	1
3/11/2019	13:14	13:35	201-2019	7.8	river right	1	1	CHN	46	49	1
3/11/2019	13:14	13:35	201-2019	7.8	river right	1	1	CHN	39	42	1
3/11/2019	13:14	13:35	201-2019	7.8	river right	1	1	CHN	51	55	1
3/11/2019	13:14	13:35	201-2019	7.8	river right	1	1	CHN	49	53	1
3/11/2019	12:44	12:58	206-2019	6.3	river left	1	1	CHN	72	74	1
3/11/2019	12:44	12:58	206-2019	6.3	river left	1	1	CHN	48	51	1
3/11/2019	12:44	12:58	206-2019	6.3	river left	1	1	GSN	40	43	1
3/11/2019	12:44	12:58	206-2019	6.3	river left	1	1	MSS	42	45	1
3/11/2019	11:25	11:45	211-2019	4.8	river right	1	1	CHN	48	52	1
3/11/2019	11:25	11:45	211-2019	4.8	river right	1	1	CHN	39	42	1
3/11/2019	11:25	11:45	211-2019	4.8	river right	1	1	CHN	52	57	1
3/11/2019	11:25	11:45	211-2019	4.8	river right	1	1	CHN	37	39	1
3/11/2019	11:25	11:45	211-2019	4.8	river right	1	1	CHN	44	49	1
3/11/2019	11:25	11:45	211-2019	4.8	river right	1	1	CHN	47	50	1
3/11/2019	11:25	11:45	211-2019	4.8	river right	1	1	CHN	43	46	1
3/11/2019	11:25	11:45	211-2019	4.8	river right	1	1	CHN	39	43	1
3/11/2019	11:25	11:45	211-2019	4.8	river right	1	1	CHN	50	55	1
3/11/2019	11:25	11:45	211-2019	4.8	river right	1	1	CHN	48	52	1
3/11/2019	11:25	11:45	211-2019	4.8	river right	1	1	CHN	--	--	1
3/11/2019	11:25	11:45	211-2019	4.8	river right	1	1	MSS	65	71	1
3/11/2019	11:25	11:45	211-2019	4.8	river right	1	1	MSS	66	72	1
3/11/2019	11:25	11:45	211-2019	4.8	river right	1	1	GSN	49	59	1
3/11/2019	10:20	10:38	216-2019	3.3	river left	1	1	NONE	--	--	0
3/12/2019	14:00	14:23	139-2019	26.4	river left	1	2	CHN	58	63	1
3/12/2019	14:00	14:23	139-2019	26.4	river left	1	2	CHN	55	59	1
3/12/2019	14:00	14:23	139-2019	26.4	river left	1	2	CHN	56	61	1
3/12/2019	14:00	14:23	139-2019	26.4	river left	1	2	CHN	45	47	1
3/12/2019	14:00	14:23	139-2019	26.4	river left	1	2	CHN	50	54	1
3/12/2019	14:00	14:23	139-2019	26.4	river left	1	2	CHN	41	44	1

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## Non-Target Catch

SampleDate	StartTime	EndTime	SamplingUnitNo	RKM	Bank	Event	Pass	Species	Forklength	TotalLength	Count
3/12/2019	14:00	14:23	139-2019	26.4	river left	1	2	CHN	45	48	1
3/12/2019	14:00	14:23	139-2019	26.4	river left	1	2	CHN	58	62	1
3/12/2019	14:00	14:23	139-2019	26.4	river left	1	2	CHN	57	61	1
3/12/2019	14:00	14:23	139-2019	26.4	river left	1	2	CHN	55	59	1
3/12/2019	14:00	14:23	139-2019	26.4	river left	1	2	CHN	44	47	1
3/12/2019	13:21	13:37	144-2019	24.9	river right	1	2	CHN	52	56	1
3/12/2019	13:21	13:37	144-2019	24.9	river right	1	2	CHN	40	43	1
3/12/2019	13:21	13:37	144-2019	24.9	river right	1	2	CHN	46	50	1
3/12/2019	13:21	13:37	144-2019	24.9	river right	1	2	CHN	48	51	1
3/12/2019	13:21	13:37	144-2019	24.9	river right	1	2	CHN	44	47	1
3/12/2019	13:21	13:37	144-2019	24.9	river right	1	2	CHN	50	53	1
3/12/2019	13:21	13:37	144-2019	24.9	river right	1	2	CHN	47	51	1
3/12/2019	13:21	13:37	144-2019	24.9	river right	1	2	CHN	53	57	1
3/12/2019	13:21	13:37	144-2019	24.9	river right	1	2	CHN	40	43	1
3/12/2019	13:21	13:37	144-2019	24.9	river right	1	2	CHN	52	55	1
3/12/2019	13:21	13:37	144-2019	24.9	river right	1	2	CHN	55	59	1
3/12/2019	13:21	13:37	144-2019	24.9	river right	1	2	CHN	39	41	1
3/12/2019	12:54	13:07	149-2019	23.4	river left	1	2	CHN	38	40	1
3/12/2019	12:54	13:07	149-2019	23.4	river left	1	2	CHN	49	52	1
3/12/2019	12:54	13:07	149-2019	23.4	river left	1	2	CHN	38	41	1
3/12/2019	12:54	13:07	149-2019	23.4	river left	1	2	CHN	55	59	1
3/12/2019	11:53	12:13	154-2019	21.9	river right	1	2	CHN	49	52	1
3/12/2019	11:53	12:13	154-2019	21.9	river right	1	2	SCB	278	307	1
3/12/2019	11:14	11:24	159-2019	20.4	river left	1	2	CHN	45	49	1
3/12/2019	11:14	11:24	159-2019	20.4	river left	1	2	SASU	520	540	1
3/12/2019	10:47	10:52	164-2019	18.9	river right	1	2	NONE	--	--	0
3/12/2019	10:21	10:32	169-2019	17.4	river left	1	2	CHN	45	48	1
3/12/2019	10:21	10:32	169-2019	17.4	river left	1	2	CHN	43	46	1
3/12/2019	9:50	10:01	174-2019	15.9	river right	1	2	CHN	41	44	1
3/12/2019	9:50	10:01	174-2019	15.9	river right	1	2	CHN	50	54	1
3/12/2019	9:50	10:01	174-2019	15.9	river right	1	2	CHN	49	53	1
3/12/2019	15:55	16:11	186-2019	12.3	river left	1	2	PL	--	--	3
3/12/2019	15:55	16:11	186-2019	12.3	river left	1	2	CHN	60	64	1
3/12/2019	15:55	16:11	186-2019	12.3	river left	1	2	CHN	54	57	1
3/12/2019	15:55	16:11	186-2019	12.3	river left	1	2	CHN	40	42	1

## Non-Target Catch

SampleDate	StartTime	EndTime	SamplingUnitNo	RKM	Bank	Event	Pass	Species	Forklength	TotalLength	Count
3/12/2019	15:55	16:11	186-2019	12.3	river left	1	2	CHN	42	45	1
3/12/2019	15:55	16:11	186-2019	12.3	river left	1	2	CHN	38	41	1
3/12/2019	15:55	16:11	186-2019	12.3	river left	1	2	SASQ	52	57	1
3/12/2019	15:08	15:24	191-2019	10.8	river right	1	2	CHN	52	55	1
3/12/2019	15:08	15:24	191-2019	10.8	river right	1	2	CHN	50	54	1
3/12/2019	15:08	15:24	191-2019	10.8	river right	1	2	CHN	49	54	1
3/12/2019	15:08	15:24	191-2019	10.8	river right	1	2	CHN	52	56	1
3/12/2019	15:08	15:24	191-2019	10.8	river right	1	2	CHN	50	55	1
3/12/2019	14:46	14:56	196-2019	9.3	river left	1	2	CHN	49	54	1
3/12/2019	14:46	14:56	196-2019	9.3	river left	1	2	CHN	101	110	1
3/12/2019	13:30	13:53	201-2019	7.8	river right	1	2	CHN	53	56	1
3/12/2019	13:30	13:53	201-2019	7.8	river right	1	2	CHN	46	49	1
3/12/2019	13:30	13:53	201-2019	7.8	river right	1	2	CHN	39	41	1
3/12/2019	13:30	13:53	201-2019	7.8	river right	1	2	CHN	53	58	1
3/12/2019	13:30	13:53	201-2019	7.8	river right	1	2	CHN	49	54	1
3/12/2019	13:30	13:53	201-2019	7.8	river right	1	2	CHN	40	43	1
3/12/2019	13:30	13:53	201-2019	7.8	river right	1	2	CHN	46	50	1
3/12/2019	13:30	13:53	201-2019	7.8	river right	1	2	CHN	36	38	1
3/12/2019	13:30	13:53	201-2019	7.8	river right	1	2	CHN	46	51	1
3/12/2019	13:30	13:53	201-2019	7.8	river right	1	2	CHN	41	44	1
3/12/2019	13:30	13:53	201-2019	7.8	river right	1	2	CHN	--	--	1
3/12/2019	13:30	13:53	201-2019	7.8	river right	1	2	BGS	39	42	1
3/12/2019	13:30	13:53	201-2019	7.8	river right	1	2	BGS	57	59	1
3/12/2019	13:30	13:53	201-2019	7.8	river right	1	2	BGS	60	71	1
3/12/2019	13:30	13:53	201-2019	7.8	river right	1	2	BGS	58	62	1
3/12/2019	13:30	13:53	201-2019	7.8	river right	1	2	BGS	65	68	1
3/12/2019	13:30	13:53	201-2019	7.8	river right	1	2	PL	--	--	2
3/12/2019	13:30	13:53	201-2019	7.8	river right	1	2	SPB	53	55	1
3/12/2019	13:01	13:20	206-2019	6.3	river left	1	2	CHN	50	54	1
3/12/2019	13:01	13:20	206-2019	6.3	river left	1	2	CHN	55	59	1
3/12/2019	13:01	13:20	206-2019	6.3	river left	1	2	CHN	46	49	1
3/12/2019	13:01	13:20	206-2019	6.3	river left	1	2	CHN	50	55	1
3/12/2019	13:01	13:20	206-2019	6.3	river left	1	2	CHN	40	42	1
3/12/2019	13:01	13:20	206-2019	6.3	river left	1	2	CHN	50	55	1
3/12/2019	13:01	13:20	206-2019	6.3	river left	1	2	CHN	42	44	1

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Preliminary Data



## Non-Target Catch

SampleDate	StartTime	EndTime	SamplingUnitNo	RKM	Bank	Event	Pass	Species	Forklength	TotalLength	Count
3/12/2019	13:01	13:20	206-2019	6.3	river left	1	2	CHN	40	42	1
3/12/2019	13:01	13:20	206-2019	6.3	river left	1	2	CHN	41	43	1
3/12/2019	11:56	12:14	211-2019	4.8	river right	1	2	CHN	48	52	1
3/12/2019	11:56	12:14	211-2019	4.8	river right	1	2	CHN	47	50	1
3/12/2019	11:56	12:14	211-2019	4.8	river right	1	2	CHN	35	38	1
3/12/2019	11:56	12:14	211-2019	4.8	river right	1	2	CHN	47	50	1
3/12/2019	11:56	12:14	211-2019	4.8	river right	1	2	CHN	51	55	1
3/12/2019	11:56	12:14	211-2019	4.8	river right	1	2	CHN	67	72	1
3/12/2019	11:56	12:14	211-2019	4.8	river right	1	2	CHN	50	54	1
3/12/2019	11:56	12:14	211-2019	4.8	river right	1	2	CHN	54	58	1
3/12/2019	11:56	12:14	211-2019	4.8	river right	1	2	MSS	68	72	1
3/12/2019	11:56	12:14	211-2019	4.8	river right	1	2	GSN	44	50	1
3/12/2019	11:56	12:14	211-2019	4.8	river right	1	2	GSN	43	47	1
3/12/2019	11:56	12:14	211-2019	4.8	river right	1	2	GSN	38	43	1
3/12/2019	11:56	12:14	211-2019	4.8	river right	1	2	SPLT	300	350	1
3/12/2019	10:33	10:53	216-2019	3.3	river left	1	2	BGS	50	53	1
3/12/2019	10:33	10:53	216-2019	3.3	river left	1	2	GSN	41	44	1
3/12/2019	10:33	10:53	216-2019	3.3	river left	1	2	MSS	72	78	1
3/12/2019	10:33	10:53	216-2019	3.3	river left	1	2	CHN	51	54	1

## Species Codes

OrganismCode	CommonName
AMS	American Shad
BAS	Bass Unknown
BGS	Bluegill
BKB	Black Bullhead
BKS	Black Crappie
BL	Pacific Brook Lamprey
BLC	Blue Catfish
BRB	Brown Bullhead
BT	Brown Trout
C	Common Carp
CAR	California Roach
CAT	Catfish Unknown
CENT	Unknown Centrarchid
CHC	Channel Catfish
CHN	Chinook Salmon
FHM	Fathead Minnow
GF	Goldfish
GSF	Green Sunfish
GSN	Golden Shiner
GST	Green Sturgeon
HCH	Hitch
HH	Hardhead
KBL	Kern Brook Lamprey
LAM	Lamprey Unknown
LAMA	Unkown lamprey amoecete
LMB	Largemouth Bass
LP	Bigscale Logperch
MIN	Minnow Unknown
MQK	Western Mosquitofish
MSS	Inland Silverside
PKS	Pumpkinseed
PL	Pacific Lamprey

## Species Codes

OrganismCode	CommonName
PRS	Prickly Sculpin
RBT	Rainbow / Steelhead Trout
REB	Redeye Bass
RES	Redear Sunfish
RFS	Riffle Sculpin
RL	River Lamprey
RSN	Red Shiner
SASQ	Sacramento Pikeminnow
SASU	Sacramento Sucker
SCB	Sacramento Blackfish
SCP	Sculpin Unknown
SIL	Silversides Unknown
SMB	Smallmouth Bass
SNF	Sunfish Unknown
SP	Sacramento Perch
SPB	Spotted Bass
SPLT	Splittail
STB	Striped Bass
STG	Sturgeon Unknown
TFS	Threadfin Shad
TP	Tule Perch
TSS	Threespine Stickleback
UNID	Unknown (Unid Juvenile Fish)
W	Warmouth
WAG	Wakasagi
WHC	White Catfish
WHS	White Crappie
WST	White Sturgeon
YEB	Yellow Bullhead